

# U.S. Oil and Gas Joint Ventures in the Former Soviet Union

<u>COMPANY</u>		<u>LOCATION</u>	<u>REMARKS</u>
Agip  Chevron Mobil Oryx  FSU Partner:	British Gas   Tengizmunaigaz/ LUKoil/ Rosneft/ Kazakstan/ Oman/ Russia	Kazakstan	Caspian Pipeline Consortium (CPC) to build/operate 1.2 million barrels/day crude oil pipeline from Tengiz (Kazakhstan) to Black Sea port of Novorosiisk. Shares: Russia 24%, Kazakstan 19%, Oman 7%, Chevron 15%, others 35%. Last update 5/96  STATUS: C (Operating, Contract, Negotiations, Talking stage)
		Tengiz/Novorosiisk	
Amoco  Delta Statoil Pennzoil TPAO Exxon Itochu Ramco British Petroleum  FSU Partner:	Unocal   SOCAR	Azerbaijan	Azerbaijan International Oil Company (AIOC) \$7 billion JV for Azeri, Chirag , & Gyuneshli fields. 3.5 billion barrels of proved oil reserves. Production to reach 600,000 barrels/day by 2000 and 800,000 b/d by 2008. Last update 3/96  STATUS: C (Operating, Contract, Negotiations, Talking stage)
		Offshore Caspian Sea	
Amoco    FSU Partner:		Russia	JV to develop the oil and gas field in the Khanty-Mansiisk region. Initial investment \$183 million. Last update 3/96  STATUS: N (Operating, Contract, Negotiations, Talking stage)
		West Siberia	
		Priobskoye Field	
Amoco    FSU Partner:	OPAB   Latvia	Latvia	JV for drilling in Baltic Sea. Estimated reserves 150 million barrels. Drilling protested by Lithuania; it notes lack of border accords between Latvia and Lithuania. Last update 10/95  STATUS: N (Operating, Contract, Negotiations, Talking stage)
		Baltic Sea	
AMP    FSU Partner:		Russia	Field development. Last update 3/93  STATUS: N (Operating, Contract, Negotiations, Talking stage)
		West Siberia	
		Tomsk	
AMP    FSU Partner:		Russia	Field development. Last update 3/93  STATUS: N (Operating, Contract, Negotiations, Talking stage)
		Other Russia	
		Sakhalin	

COMPANY		LOCATION	REMARKS
Anderman-Smith		Russia	JV to develop Nizhnevartovsk field; received OPIC backing of \$40 million. Last update 4/94
		West Siberia	
FSU Partner:	Chernogorneft		STATUS: N (Operating, Contract, Negotiations, Talking stage)
Anderman-Smith	Itochu	Russia	Chernogorskoye JV for field development by St.Mary Land & Exploration subsidiary Anderman-Smith is producing 5,000 -8,000 b/d . Received the EBRD's and EX-IM Bank's First set of credit awards to private oil enterprises in Russia. Last update 11/95
		West Siberia	
		Chernogorskoye field - near Samatlor field	
FSU Partner:	Chernogorneft		STATUS: O (Operating, Contract, Negotiations, Talking stage)
Anglo-Dutch		Kazakstan	Contract approved to develop 500 million barrel Tenge oil field. Partners expect to invest \$185 million. Field also has 1 trillion cubic feet of gas. Peak production of 36,000 b/d oil by 1999; 68 million cubic feet of gas by 1998. Last update 4/96
		Tenge field on Caspian Sea 175 miles south Tengiz	
FSU Partner:	Mangistaumunaigaz		STATUS: C (Operating, Contract, Negotiations, Talking stage)
Anglo-Suisse	Salomon	Russia	Golden Mammoth JV to develop oilfields: Bakhilovskoye, Verkhnekolik, Khokhryakovskoye, Varenskoye. Last update 3/96
		West Siberia	
FSU Partner:	Var'yeganneftegaz		STATUS: N (Operating, Contract, Negotiations, Talking stage)
Anglo-Suisse		Russia	Northern Lights JV for exploration. Last update 12/91
		West Siberia	
FSU Partner:	Var'yeganneftegaz		STATUS: N (Operating, Contract, Negotiations, Talking stage)
Anglo-Suisse	Salomon	Russia	White Nights JV operating & producing 16,000 b/d at West Varyegansky and Agrinsky fields. Last update 3/96
		West Siberia	

FSU Partner: Var'yeganneftegaz			STATUS: O (Operating, Contract, Negotiations, Talking stage)
<u>COMPANY</u>	<u>LOCATION</u>	<u>REMARKS</u>	
Arco	Russia	JV to be broad partnership that will undertake up to \$3 billion unspecified projects. Arco's share will be 46%. Last update 3/96	
	European Russia		
FSU Partner: Lukoil		STATUS: N (Operating, Contract, Negotiations, Talking stage)	
Armoil	Armenia	JV formed by Armenian/American businessmen to explore for oil & determine if there are sufficient reserves to attract Western interest. Last update 9/93	
FSU Partner:		STATUS: N (Operating, Contract, Negotiations, Talking stage)	
Aztec-Talas	U.S. Exploration	Kyrgyzstan	Field development; first JV in Kyrgyzstan. Began producing oil from a long-declining field in 5/93. Last update 3/96
FSU Partner:			STATUS: O (Operating, Contract, Negotiations, Talking stage)
Baker Tools	Russia	Oil field services. Last update 7/94	
	Other Russia		
FSU Partner: Sidanco		STATUS: C (Operating, Contract, Negotiations, Talking stage)	
Benton	Russia	Geoilbent JV operating North Gubkinskoye & Prisklonovoe fields with 300 million barrels of reserves. Geoilbent was the first JV to produce oil from a new Russian oil/gas field. Producing/exporting 8,500 b/d. Last update 3/96	
	West Siberia		
FSU Partner: Purneftegasgeologia & Purneftegaz		STATUS: O (Operating, Contract, Negotiations, Talking stage)	
Camco	Russia	Tyumengazkamko JV to increase production of oil in giant Urengoi field near the Arctic Circle. Received Ex-Im Bank approval. Last update 3/96	
	West Siberia		

FSU Partner: Urengoigazprom	Urengoi field	STATUS: O (Operating, Contract, Negotiations, Talking stage)
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Carpathian	Ukraine	Protocol agreement for development of Bitkovskoye field. Last update 3/96
FSU Partner: Ukneft	Bitkovskoye field in Precarpataky region	STATUS: N (Operating, Contract, Negotiations, Talking stage)
Chevron Mobil	Kazakstan	Tengizchevronoil JV \$20 billion investment to develop 6-9 billion barrels of reserves with 750,000 b/d by 2010. Shares: Chevron 50%, Mobil 25%, Tengizmunaigaz 25%. Produced 90,000 b/d 3/96; target 1996 capacity 130,000 b/d. Last update 4/96
FSU Partner: Tengizmunaigaz	Tengiz /Korolev fields	STATUS: O (Operating, Contract, Negotiations, Talking stage)
Coastal Sadkora	Estonia	JV to expand/operate oil products terminal to 800,000 barrels capacity & build 5 mile pipeline connecting it to Baltic Sea terminals. Last update 1/96
FSU Partner: Estonian Oil Service (EOS)	Maardu, near port of Muuga & Tallinn	STATUS: N (Operating, Contract, Negotiations, Talking stage)
Coastline Equity	Russia	Symskaya Exploration JV for exploration & development of 1.1 million acres. Last update 1/92
	West Siberia	
FSU Partner: Yeniseygeofizika	Krasnoyarsk - East Siberia	STATUS: C (Operating, Contract, Negotiations, Talking stage)
Conoco	Russia	Polar Lights JV for \$3 billion exploration/development of Ardalinsky/Dosyushevsky/Kovinsky fields . 1st OPIC & World Bank funding in CIS. 1st grassroots development major oil field in CIS; 25,000 b/d by 1996. Last update 3/96
	European Russia	
FSU Partner: Archangelskgeologiya	Nenets - White/Barents Seas	STATUS: O (Operating, Contract, Negotiations, Talking stage)
Conoco Neste	Russia	Develop offshore Shtokman gas field with 100 tcf gas reserves. Last update 3/96

Norsk Hydro Total	European Russia	
FSU Partner: Gazprom/Rosself	Barents Sea about 370 miles NE Murmansk	STATUS: N (Operating, Contract, Negotiations, Talking stage)

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Crystal	Russia	JV for well workovers and enhanced oil recovery from Pokrovskoye and Pronkinskoye oil fields. Last update 3/96
	European Russia	
FSU Partner: Orenburgneft	Orenburg Region - 800 miles SE Moscow	STATUS: N (Operating, Contract, Negotiations, Talking stage)
De Cisar	Kazakstan	Damunai JV to develop Shubarkuduk and Jaksymai field with 8 million barrels recoverable reserves. Last update 4/96
FSU Partner: Aktyubinskineft	Aktyubinsk	STATUS: C (Operating, Contract, Negotiations, Talking stage)
Eastman Christensen      Halliburton	Russia	JV for horizontal drilling projects. Last update 1/92
	European Russia	
FSU Partner: Tatneft	Tatarstan	STATUS: O (Operating, Contract, Negotiations, Talking stage)
Energy World Trade	Russia	JV for oilfield development existing fields and exploration of Stavropol area. Last update 1/92
	European Russia	
FSU Partner: Stavropolneftegaz	Prikuma (eastern Stavropol)	STATUS: C (Operating, Contract, Negotiations, Talking stage)
Enforce	Russia	\$100 million venture for well workovers, directional drilling, and enhanced oil recovery (EOR). Last update 5/93
	European Russia	
FSU Partner:	North Caucasus - near Chechen N. Grozny	STATUS: C (Operating, Contract, Negotiations, Talking stage)

Enron	Uzbekistan	JV to develop 15 gas fields holding gas reserves of 20 trillion cubic feet gas, as well as liquid hydrocarbon reserves, for sale to Russia . Last update 3/96
FSU Partner: Uzbekneftegaz/Gazprom	Sorhandarya & Kandym regions	
		STATUS: N (Operating, Contract, Negotiations, Talking stage)

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Equity	Russia	Exploration JV in East Siberia. Last update 3/96
	Other Russia	
	Krasnoyarsk	
FSU Partner:		STATUS: N (Operating, Contract, Negotiations, Talking stage)
Exxon	Russia	Sakhalin I JV to develop 4 offshore fields (Arkutunskoye, Chaivo, Daginskoye, Odoptu) with over 1 billion barrels oil and 6 Tcf gas reserves. Last update 3/96
	Other Russia	
	Sakhalin Island	
FSU Partner: Rosneft/Sakhalinmorneftegaz		STATUS: N (Operating, Contract, Negotiations, Talking stage)
Fountain	Ukraine	JV to use directional drilling to develop 8 oilfields in area where production has been minimal; Fountain has 36% share. Last update 3/96
	Priluki region, Chernigov Province	
FSU Partner:		STATUS: N (Operating, Contract, Negotiations, Talking stage)
Fountain	Russia	JV to develop Maykop gas condensate field. Last update 3/96
	European Russia	
	Caucasus - Adgeyskaya AO	
FSU Partner: Gazprom		STATUS: N (Operating, Contract, Negotiations, Talking stage)
Gardes Directional Drilling	Russia	JV for horizontal drilling and field development of Vorontsovkoe and Rodinskoe fields. Last update 1/92
	European Russia	
	Orenburg in Volga-Urals region	
FSU Partner: Orenburgneft (OBN)		

STATUS: C (Operating, Contract, Negotiations, Talking stage)		
Geo-Microbial Technology	Russia	Enhanced Recovery Technology JV for enhanced oil recovery (EOR) using microbial techniques. Last update 3/92
FSU Partner: Academy Sciences Institute Microbiology	European Russia North Caucasus region	STATUS: C (Operating, Contract, Negotiations, Talking stage)
<b><u>COMPANY</u></b>	<b><u>LOCATION</u></b>	<b><u>REMARKS</u></b>
GHK	Russia	Oklahoma Oil Co JV to develop oilfields and explore in the Samara region of the North Caspian Basin. Last update 5/93
FSU Partner: LogoVaz/ Kubyshevneft/ Kuybyshevlestopprom	European Russia  Samara (formerly Kuybyshev)	STATUS: N (Operating, Contract, Negotiations, Talking stage)
Global Natural Resources	Russia	Tatex JV for well stimulation of Romashinko field; development of Onbysk field, well repairs, and installation of vapor recovery units on oil wells. Last update 3/96
FSU Partner: Tatneft	European Russia  Tatarstan	STATUS: O (Operating, Contract, Negotiations, Talking stage)
Global Natural Resources	Russia	Flared gas recovery/gasfield operation & production. Last update 7/92
FSU Partner: Urengoigazprom	West Siberia  Yamal-Nenets peninsula; Urengoi /Pestsovoe fields	STATUS: N (Operating, Contract, Negotiations, Talking stage)
Grynberg	Russia	JV for exploration & production offshore in the Caspian Sea. Last update 5/93
Santa Fe Natural Resources Premier Consolidated	European Russia	STATUS: N (Operating, Contract, Negotiations, Talking stage)
FSU Partner: Dagneft	Dagestan - in North Caucasus region	
Grynberg	Russia	JV for offshore Caspian Sea exploration and production. Last update 2/92
Santa Fe Natural Resources Premier Consolidated	European Russia Kalmykia - North Caucasus	

FSU Partner: Kalmykia government	region	STATUS: N (Operating, Contract, Negotiations, Talking stage)
Halliburton	Russia European Russia	JV to provide full range of oilfield services. Last update 5/93
FSU Partner: Volgogradneftgeologiya Prikaspyburneft	Volgograd	STATUS: N (Operating, Contract, Negotiations, Talking stage)
<b><u>COMPANY</u></b>	<b><u>LOCATION</u></b>	<b><u>REMARKS</u></b>
Halliburton	Russia	JV for hydraulic fracturing of oilfields. Last update 1/92
FSU Partner:	European Russia Tatarstan	STATUS: O (Operating, Contract, Negotiations, Talking stage)
Halliburton	Russia	JV involving technology exchange. Last update 10/91
FSU Partner: Belozerskneft' NGDU	West Siberia Niznevartovsk region	STATUS: N (Operating, Contract, Negotiations, Talking stage)
Hallwood	Azerbaijan	Exploration and further development of offshore Mashal field area (formerly Muddy Hill Field). Last update 5/94
FSU Partner: SOCAR	SE Baku in Caspian Sea	STATUS: C (Operating, Contract, Negotiations, Talking stage)
Hurricane	Occidental	Kazakstan
FSU Partner: Yuzhneftegaz/ Yuzhkazgeologia	Kzyl Kiya, Kzyl Orda Oblast	Well workovers. Last update 4/96
		STATUS: N (Operating, Contract, Negotiations, Talking stage)
Input-Output	Russia	Ingeo JV providing seismic services. Last update 5/93
	West Siberia	



FSU Partner:		STATUS: O (Operating, Contract, Negotiations, Talking stage)
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Itochu	St. Mary	Russia	Development of Chernogorsk field. 200 developmental fields could boost production from 6,000 b/d to 25,000 b/d. Last update 3/96
		West Siberia	
		Chernogorsk field	
FSU Partner: Chernogorneft			STATUS: O (Operating, Contract, Negotiations, Talking stage)

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Jebco Seismic		Russia	Development of foreign exploration and production projects. Active in former Soviet Union since 1988. Last update 5/93
		West Siberia	
FSU Partner: State Committee of Geology			STATUS: O (Operating, Contract, Negotiations, Talking stage)

Maxus		Russia	JV to evaluate oil production potential. Last update 5/93
		Other Russia	
		Yakutsk	
FSU Partner: Yakutskgeofizika			STATUS: N (Operating, Contract, Negotiations, Talking stage)

McDermott		Azerbaijan	Mcshelf JV formed to build, install, & repair offshore oil rigs. Last update 3/96
		Baku	
FSU Partner: SOCAR			STATUS: N (Operating, Contract, Negotiations, Talking stage)

McDermott		Russia	McAmur JV to build and install offshore oil & gas platforms off of Russia's Pacific coast. Last update 3/96
		Other Russia	
		Komsomolsk - Far East	
FSU Partner: Amur			STATUS: C (Operating, Contract, Negotiations, Talking stage)

Minpetro		Russia	Kama-neft JV for oil production. Last update 3/96
		European Russia	

FSU Partner: Permneft	Perm in Volga - Urals region	STATUS: C (Operating, Contract, Negotiations, Talking stage)
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Marathon	McDermott	Russia	Sakhalin II JV for exploration & production contract signed by Sakhalin Energy Investment Co. (formerly MMMMS) . Potential oil production of 180,000 b/d of oil; 1.5 billion cubic feet gas in Piltun-Astokhsk oye & Lunskeye fields. Last update 3/96
Mitsui, Mitsubishi, Royal Dutch Shell		Other Russia	
FSU Partner: Sakhalinmorneftegaz		Sakhalin Island	
		STATUS: C (Operating, Contract, Negotiations, Talking stage)	

<u>COMPANY</u>		<u>LOCATION</u>	<u>REMARKS</u>
Mobil	Texaco	Russia	Sakhalin III JV to explore offshore. During bidding, Exxon won blocks 1 & 2, while Mobil and Texaco won block 4. Still negotiating final agreement. Last update 3/96
Exxon		Other Russia	
FSU Partner:		Sakhalin Island	
		STATUS: N (Operating, Contract, Negotiations, Talking stage)	
Mobil		Kazakstan	Tulpar Munai JV for exploration and development of the Tulpar region. Last update 4/96
FSU Partner: Poisk Tulpar		Aktyubinskneft NW Kazakstan	
		STATUS: O (Operating, Contract, Negotiations, Talking stage)	
Nimir Petroleum	US Petroleum	Russia	Petrosakh JV producing 3,700 b/d; potential is 20,000 b/d. Build/operate 4,000 b/d refinery. Last update 3/96
		Other Russia	
FSU Partner: Sameko/Sameto		Sakhalin	
		STATUS: O (Operating, Contract, Negotiations, Talking stage)	
Occidental		Russia	Parm Oil JV for exploration and production in 1.5 million acres. Made first new field discovery in Russia by a western JV. Last update 3/96
		European Russia	
FSU Partner: Ukhtaneftegazgeologiya		Komi - just south Arctic Circle	
		STATUS: C (Operating, Contract, Negotiations, Talking stage)	
Occidental		Russia	Vanyoganneft JV for EOR from Vanyogan/Ayogan fields with estimated 320

FSU Partner: Chernogorneft	West Siberia	million barrels of reserves. Production 43,000 b/d early 1994; exports began October 26, 1992. Ultimate investment \$800 million/ 25 years. Last update 3/96
	Surgut/Nizhnevartovsk region	
STATUS: O (Operating, Contract, Negotiations, Talking stage)		

Oryx Energy	Kazakstan	Arman JV to develop an oil field currently producing 4,500 b/d of oil that's exported via the Druzhba pipeline to Eastern Europe. Last update 4/96
	near Mertvy Kultuk	
FSU Partner: Mangystaumunaigaz & Zharkyn		
STATUS: O (Operating, Contract, Negotiations, Talking stage)		

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Pennzoil	Russia	SANK JV for development of 40-45 million barrel Zapadno-Mogutlorskoye field. Siberian-American JV began operating 12/92. Production potential is 25,000 b/d. Last update 3/96
	West Siberia	
	West Mogotlorsk	
FSU Partner: Agansk Geological Enterprise		STATUS: O (Operating, Contract, Negotiations, Talking stage)

Petro-Hunt	Dresser	Russia	Khantymansiysknefte-Hunt JV formed 3/92 for exploration and production of 5 exploration areas totalling 3.1 billion barrels of oil reserves. Last update 3/96
		West Siberia	
		Rogozhnikovskoye area	
FSU Partner: Khantymansiyskgeological			
STATUS: C (Operating, Contract, Negotiations, Talking stage)			

PGI/ICF	Russia	MD SEIS JV formed 11/89 for seismic services. Last update 5/93
	West Siberia	
FSU Partner:		
STATUS: C (Operating, Contract, Negotiations, Talking stage)		

Ponder Industries	Azerbaijan	Baku-Ponder Services JV for oilfield services. Last update 3/96
	Baku	
FSU Partner: Interbranch Scientific Production Association		
STATUS: C (Operating, Contract, Negotiations, Talking stage)		

Ponder Industries		Kyrgyzstan	JV for remedial work on 600 oil wells, shallow well drilling, and other services. The JV includes 4,000 b/d refineries to refine this and other oil. Last update 3/96
FSU Partner:	Kyrgyzneft		STATUS: N (Operating, Contract, Negotiations, Talking stage)

Pride International	Quintana	Russia	Well workovers. Last update 9/92
		West Siberia	
FSU Partner:			STATUS: C (Operating, Contract, Negotiations, Talking stage)

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Quintana		Russia	Pur River JV to develop Komsomolskoye field. Last update 3/96
		West Siberia	
FSU Partner:	Purneftegaz		STATUS: N (Operating, Contract, Negotiations, Talking stage)

Richmond Oil and Gas	Northstar Energy	Russia	Taloil JV - Richmond to provide expertise and capital to further develop and increase production in 85 million barrel Talinsk field. Oil to be shipped via Black Sea. Excess of \$50 million to be invested. Last update 5/93
		West Siberia	
FSU Partner:	Krasnoleninsk Oil and Gas	Talinsk field in Krasnoleninsk, Tyumen	STATUS: C (Operating, Contract, Negotiations, Talking stage)

Snyder Oil	MD SEIS	Russia	Permtex JV for development of 100 million barrel oilfield, with peak production of 25,000 b/d. Expected investment \$100 million over next decade; has received \$40 million OPIC backing. Last update 3/96
		European Russia	
		Perm - 700 miles east Moscow	
FSU Partner:	LUKoil Permneft/ Perm Russia		STATUS: N (Operating, Contract, Negotiations, Talking stage)

Sperry Sun		Russia	Siberian Sperry Sun JV for horizontal and high angle drilling. Last update 7/94
		West Siberia	
FSU Partner:	Nizhnevartovsk Neftegaz et al Siberian Drilling Association		STATUS: O (Operating, Contract, Negotiations, Talking stage)

Swift Energy	Russia	JV with a joint stock company for development and production of oil & gas from Samburg & Evo-Yakha fields. Initial capital outlay of \$5 million.
	West Siberia	Last update 3/96
FSU Partner: Senega	Yamalo-Nenetsky area, 20 miles from Urengoi field	
STATUS: N (Operating, Contract, Negotiations, Talking stage)		

United Kiev Resources	Ukraine	UkrCarpat Oil JV to redevelop/restore Bitkov field. Last update 3/96
	22 miles SW Ivano-Frankovsk	
FSU Partner: Uknafta		
STATUS: N (Operating, Contract, Negotiations, Talking stage)		

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Unknown (US)	Russia	Ruspetrol JV for enhanced oil recovery (EOR) of existing fields using microbial and chemical techniques. Last update 1/92
	European Russia	
FSU Partner: Arlanneft' NGDU	Komi - Vyztskoye/ Sauzbashevskoe/Salkovskoye	
STATUS: O (Operating, Contract, Negotiations, Talking stage)		

Unocal	Delta	Turkmenistan	Turkmen Unocal JV to build gas pipeline from Turkmenistan to Pakistan via Afghanistan. Gas will be supplied from Dauletabad field. Last update 3/96
FSU Partner: Turkmenistan			
STATUS: N (Operating, Contract, Negotiations, Talking stage)			

Walt Whitman	Russia	JV to provide well log interpretation services for Russian producers.
	European Russia	Last update 9/93
FSU Partner: Geophysical Research Center	Moscow	
STATUS: N (Operating, Contract, Negotiations, Talking stage)		

**If you have any questions regarding this report, please contact Erik Kreil at 202-586-6573; by fax on 202-586-9753; or e-mail at [ekreil@eia.doe.gov](mailto:ekreil@eia.doe.gov)**